23/2/24 Perogram 9: WAP that creates a user interface to perform integer divisions. The user enter 2 numbers in the text fields, Num 1 & Num 2. The dévision of Num 1 2 Num 2 is displayed in the Rosull field when the divide button as clicked. If Num 1 & Num 2 were not an Enkage, the program would throw a Number Format Enception. If Num 22 were a zero, rue program would throw em Avritmetic Exception. Display the exception in a musuage dialog box. import javan. swing. \*; import java. aut \*; ifun, culol (one lab); import jour aut. event . \*; class Swing Demo Action Listens To view Action Listen Sving Demo ()
s (to bodie NA) Image Produce Bou Side JFrame jfrum = new JFrame ( "Divider App");

// A class im java which impact the JFrame

jfrum. Sel Size ( 265, 150); height jpun. Setlayart (new Flowlayout()); Il arranges components in left to right flow. j from. set Default Close Goration ( J.Frame, ExII\_ONI\_CLOSE); 11 sets the close operation Thabel That = new Thabel (Do"thte the divider and shoot tent string, aming or both Trentfield oith. new Trentfield (8); Tent Field bit : new JTent Field (8).

"allows ecliping of single line of knt

"8" specifies the width of the tent field interns of column JBullon bullon = new JBullon L'Calledete"); 11 a push button that portomis a specific task I Label or = new Itakel (); 11 Enitially empty but later wed to I Label ales = new I Label (); 11to display component or

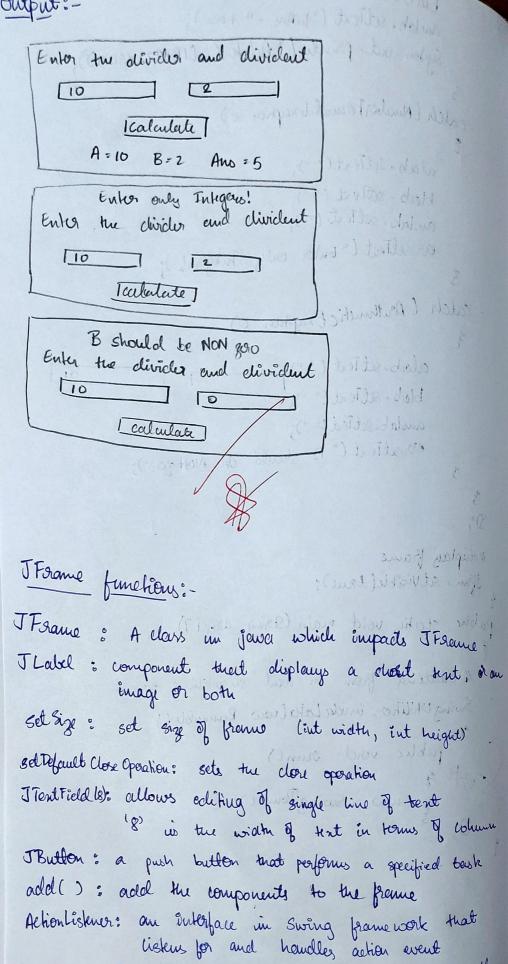
black - new Tlabel (); 11 to diplay b Jiabll Thabel anslab = new Thabel (); 11 to diplay ans in the frame Madd in order not Donal with in Egypty ! ifm. add (eas); ifum. add (jlab); in a truph flow sidney de a consult deboce magain ipm. add (eyty); ifam. add lbjt); ifum. add (button); ifrm. add (alab); e . primer warry day frm. add blab); dayo ifrm. adel(anotab); and jour wal, overt. " Achonlishuer T: new Achonlishuer () public void retionPerformed CActionEvent evt) System. out. pointle La Action event from text field"). Hum Set & 2 (266, 160)? /\* Actionlistener: an interface in Swing framework that listens for & handles action events. actionPerformed: part of ActionLishuer interface which handles action events like button clicks on tent field enterior. \*/ cyth. Boald Action listener (I); bit add Action Lichent (7); button. adal Action listener (new Action Listener() public void action Performed (MetionBreat evt)

4 it (our. action (): = NULL)

+ our. settext (""); try int en = Integer. poore Int (ajt get Text()); ent b . Integer. parrietet (byth. got Tent()); alub. setTent ("InA = " +a);

blab. setTent ("luB = "+ b); auslab. settent ("In Ans = " + onus); System. out. printle ("Aditi. (CIBM22 CSO4)); eatch (Number Formal Exception e) alab. setTent(""). bleib . sotTent (" "); auslab. settent (4"). our settent (" Buter only Inkgers!"); 3 autch ( Arithmetic Exception e) alab. set Tent (""); blub. setTent (" "); ainslab. set Tent 1" "); errosetTent (" B should we NON zoro"); 3)0 notisplay frame ifm. setvisible (true); public sterlic void main (Aring args [7) I oudding from on event dispatching thread Swing Utilities. En vole Lots (new Runnable () public void oum () z new Swing Pemo LD.,

output:-



actionPerformed: part of ActionListener interface which howells action events like button clicks or knt field with

= (d 1 = 3.1 ) in the day

set Tent (): sets the first comfent of the Swing compound to the specified storing

get Tent (): retorieves the first content from the Swing component set Visible(): sets the visibility of the JFrame

Swing vibities. invoke Later: weed to execute coele that updates

Swing components

